

GRAVITY COMPENSATION CONTROL SYSTEM AND METHOD USING
MULTIPLE FEASIBILITY PARAMETERS

Inventor: Behzad Dariush

CROSS-REFERENCE TO RELATED APPLICATIONS

DD
[0001] This application is a continuation-in-part of U.S. patent application
No. ~~10/655,460~~ now U.S. Patent No. 7,217,247
filed on September 5, 2003 which claims priority of U.S. provisional
applications No. 60/413,024 filed on September 23, 2002 and No. 60/421,964 filed on
October 28, 2002 and No. 60/484,708 filed on July 3, 2003 which are all incorporated by
reference herein in their entirety.

FIELD OF THE INVENTION

[0002] The present invention relates to a method for obtaining assist torques
to be applied to joints of legs through gravity compensation control in a human assist
system. The present invention further relates to a human assist system with gravity
compensation control.